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1600

## RAW SEQUENCE LISTING

DATE: 12/06/2003

PATENT APPLICATION: US/09/768,781A

TIME: 10:35:40

Input Set : A:\1057 CIP SUB SEQ LIST.TXT

Output Set: N:\CRF4\12062003\I768781A.raw

4 <110> APPLICANT: MERKULOV, Gennady V. et al  
6 <120> TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,  
7 NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,  
8 AND USES THEREOF  
10 <130> FILE REFERENCE: CL001057-CIP  
12 <140> CURRENT APPLICATION NUMBER: 09/768,781A  
13 <141> CURRENT FILING DATE: 2001-01-25  
15 <160> NUMBER OF SEQ ID NOS: 27  
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
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20 <211> LENGTH: 1350  
21 <212> TYPE: DNA  
22 <213> ORGANISM: Homo sapien  
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51 <212> TYPE: PRT  
52 <213> ORGANISM: Homo sapien  
54 <400> SEQUENCE: 2  
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57 Ser Ser Leu Glu Glu Asp Val Ile Arg Gly Ala Asn Pro Arg Phe Thr
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59 Phe Pro Phe Ser Ile Leu Phe Ser Thr Phe Leu Tyr Cys Gly Glu Ala
60          35          40          45
61 Ala Ser Ala Leu Tyr Met Val Arg Ile Tyr Arg Lys Asn Ser Glu Thr
62          50          55          60
63 Tyr Arg Met Thr Tyr Thr Phe Ser Phe Phe Met Phe Ser Ser Ile Met
64 65          70          75          80
65 Val Gln Leu Thr Leu Ile Phe Val His Arg Asp Leu Ala Lys Asp Lys
66          85          90          95
67 Pro Leu Ser Leu Phe Met His Leu Ile Leu Leu Gly Pro Val Ile Arg
68          100          105          110
69 Cys Leu Glu Ala Met Ile Lys Tyr Leu Thr Leu Trp Lys Lys Glu Glu
70          115          120          125
71 Gln Glu Glu Pro Tyr Val Ser Leu Thr Arg Lys Lys Met Leu Ile Asp
72          130          135          140
73 Gly Glu Glu Val Leu Ile Glu Trp Glu Val Gly His Ser Ile Arg Thr
74 145          150          155          160
75 Leu Ala Met His Arg Asn Ala Tyr Lys Arg Met Ser Gln Ile Gln Ala
76          165          170          175
77 Phe Leu Gly Ser Val Pro Gln Leu Thr Tyr Gln Leu Tyr Val Ser Leu
78          180          185          190
79 Ile Ser Ala Glu Val Pro Leu Gly Arg Val Val Leu Met Val Phe Ser
80          195          200          205
81 Leu Val Ser Val Thr Tyr Gly Ala Thr Leu Cys Asn Met Leu Ala Ile
82          210          215          220
83 Gln Ile Lys Tyr Asp Asp Tyr Lys Ile Arg Leu Gly Pro Leu Glu Val
84 225          230          235          240
85 Leu Cys Ile Thr Ile Trp Arg Thr Leu Glu Ile Thr Ser Arg Leu Leu
86          245          250          255
87 Ile Leu Val Leu Phe Ser Ala Thr Leu Lys Leu Lys Ala Val Pro Phe
88          260          265          270
89 Leu Val Leu Asn Phe Leu Ile Ile Leu Phe Glu Pro Trp Ile Lys Phe
90          275          280          285
91 Trp Arg Ser Gly Ala Gln Met Pro Asn Asn Ile Glu Lys Asn Phe Ser
92          290          295          300
93 Arg Val Gly Thr Leu Val Val Leu Ile Ser Val Thr Ile Leu Tyr Ala
94 305          310          315          320
95 Gly Ile Asn Phe Ser Cys Trp Ser Ala Leu Gln Leu Arg Leu Ala Asp
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97 Arg Asp Leu Val Asp Lys Gly Gln Asn Trp Gly His Met Gly Leu His
98          340          345          350
99 Tyr Ser Val Arg Leu Val Glu Asn Val Ile Met Val Leu Val Phe Lys
100          355          360          365
101 Phe Phe Gly Val Lys Val Leu Leu Asn Tyr Cys His Ser Leu Ile Ala
102          370          375          380
103 Leu Gln Leu Ile Ile Ala Tyr Leu Ile Ser Ile Asp Phe Met Leu Leu
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105 Phe Phe Gln Tyr Leu His Pro Leu Arg Ser Leu Phe Thr His Asn Val
106           405           410           415
107 Val Asp Tyr Leu His Cys Val Cys Cys His Gln His Pro Arg Thr Arg
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116 <211> LENGTH: 17993
117 <212> TYPE: DNA
118 <213> ORGANISM: Homo sapien
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122 <222> LOCATION: (1)...(17993)
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125 <400> SEQUENCE: 3
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128 cctgagtagc tgggattaca gtcacgcacc accacgacca gctgattttt gtatttttag 180
129 tagagatggg gtttcaccac gttggccagg ctggtttcga actcctgacc tcaagtgatc 240
130 tgcctgcctc agcctcccaa agtgctggga ttacaggcgt gaaccactgt gcctggcctt 300
131 catctatatt attaccagga ggcagatgtg ttctcttttt ctctgagggt tagaattatg 360
132 caaatgaaga tatgaaaaca aaagctcagt gaggtgggga ggattacact taagaataca 420
133 ggtaattttt aaagctcttt aagacacccc tctcagtttt tactaacagc tctctcttgg 480
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Input Set : A:\1057 CIP SUB SEQ LIST.TXT

Output Set: N:\CRF4\12062003\I768781A.raw

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**RAW SEQUENCE LISTING ERROR SUMMARY**  
PATENT APPLICATION: US/09/768,781A

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Input Set : A:\1057 CIP SUB SEQ LIST.TXT  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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